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METHOD FOR PREPARING MICROORGANISM SAMPLE AND METHOD FOR RECOVERING MICROORGANISM DNA

Abstract:

PURPOSE: To obtain a microorganism sample enabling to separate and recover DNA originated from a microorganism in high purity, by subjecting a microorganism suspension to an electrophoresis in the presence of an electrolyte.

CONSTITUTION: A microorganism suspension is charged in the suspension tank of a rack 6 for electrophoresis, and an electrolyte solution such as a buffer solution for the electrophoresis is charged in a DNA tank surrounded with a semi-permeable membrane and a filter permitting the passage of only the DNA. The rack is set in an electrophoresis tank 7 charged with a buffer solution 10 for electrophoresis, and a direct electric current is applied between electrodes 8, 9. Free undecomposed DNA is transferred and separated into the DNA tank.

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